

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

1727 30th Street MS-43

P.O. BOX 168041

SACRAMENTO, CA 95816-8041

FAX (916) 227-6214

www.dot.ca.gov/hq/esc/oe

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February 21, 2014

03-Gle-162-37.7/51.0

03-4M1804

Project ID 0300020043

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN GLENN COUNTY AT VARIOUS LOCATIONS FROM 0.1 MILE EAST OF COUNTY ROAD 307 TO COUNTY ROAD 303.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Wednesday, February 26, 2014.

This addendum is being issued to revise the *Notice to Bidders and Special Provisions*.

In the *Notice to Bidders*, the seventh paragraph is revised as follows:

"The Contractor must have either a Class A license or any combination of the following Class C licenses which constitutes a majority of the work: C-12, C-34."

In the Special Provisions, DIVISION VIII "MISCELLANEOUS CONSTRUCTION," Section 72, "SLOPE PROTECTION," is added as attached.

To *Bid* book holders:

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the *Notice to Bidders* section of the *Notice to Bidders and Special Provisions*.

Submit the *Bid* book as described in the *Electronic Bidding Guide* at the Bidders' Exchange website.

http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/electronic_bidding.html

Inform subcontractors and suppliers as necessary.

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This addendum, EBS addendum file, and attachment are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/03/03-4M1804

If you are not a *Bid* book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

A handwritten signature in black ink that reads "Jody Jones". The signature is written in a cursive, flowing style.

JODY JONES
District Director

Attachments

Add to section 72-7

72-7 SACKED CONCRETE SLOPE PROTECTION

72-7.01 GENERAL

72.7.01A Summary

Section 72-7.01 includes specifications for furnishing and installing sacked concrete slope protection.

Work includes

1. Excavating slopes to establish proper bearing or bond to existing sacked-concrete slope protection.
2. Placing burlap sacked-concrete courses where shown.
3. Placing concrete to conform the sacks to the proposed slope and adjacent sacks.

72-7.01B Definitions

Stretcher: Burlap bag filled with concrete and placed with its long dimension parallel to the contour of the slope.

Header: Burlap bag filled with concrete and placed at right angles to the stretchers.

72-7.01B Submittals

Submit a certificate of compliance for:

1. Burlap or other woven fabric bags
2. Epoxy bonding agent if used

Submit a seepage prevention plan for preventing concrete from bleeding through the bag during curing. No concrete residue may seep into the surrounding area. The seepage prevention plan must include procedures for retaining and disposing of concrete residue.

72-7.02 MATERIALS

Bags used for sacked concrete slope protection must be burlap or other woven fabric certified as biodegradable with the same mass per unit area as Class 3 burlap. Burlap bags must be Class 3 or Class 4 under AASHTO M182. Paper-type bags are not allowed.

Filled bags must have:

1. Length from 15 to 18 inches
2. Width from 10 to 12 inches
3. Thickness from 5 to 6 inches
4. Weight from 70 to 80 pounds

Bag dimensions are measured inside the seams when the bag is laid flat.

Use minor concrete complying with section 90-2 except the cementitious material content must be a minimum of 430 pounds per cubic yard.

Aggregate used for sacked concrete must comply with section 90-2 except the following gradation requirements apply:

1. 80 to 100 percent must pass a 2-inch sieve
2. 0 to 4 percent must pass a No. 200 sieve

Add water to the concrete to produce a mixture with a slump from 3.5 to 4.5 inches under California Test 556. A variation in slump of more than 1 inch is evidence of inadequate mixing and will be rejected.

Use backfill material from excavations or from local or imported borrow. No backfill material may be larger than 4 inches in greatest dimension. Remove unsuitable material such as clay or expansive soil from any backfill material.

Epoxy adhesive must comply with section 95-2.03.

72-7.03 CONSTRUCTION

For new installations, place sacked concrete after site preparation.

Site preparation must comply with section 21-1.03B except rocks up to a maximum dimension of 4 inches may remain in place. Place sacked concrete on slopes finished uniformly to within 0.2 foot of the design grade.

Cut subgrade surfaces under 19-3.03B(1) or place fill under section 19-6.03C. Compact any backfill placed to a minimum 90% relative compaction.

Fill the bags with concrete. Fold or tie the tops of bags. Filling operations must be performed a minimum of 15 feet away from the top of the slope. Immediately place stretchers onto the toe of the slope with the folded or tied ends facing upstream. The folded or tied ends must face in the same direction in the same layer and must abut the adjacent bag's stitched bottom end. Adjust bags to conform to the grade and lightly tamp during placement. Remove all dirt and debris from the tops of the bags before placing the next layer.

Lay the courses as follows unless shown otherwise:

1. Lay a double row of stretchers in a neatly trimmed trench for the 1st course.
2. Place a double row of stretchers such that joints in succeeding courses are staggered for the remaining courses.

Place bags in a stair-step fashion up the slope with the long dimension of the bag parallel to the slope. Place bags such that the joints of each successive layer are staggered from the previous layer.

If delays occur in placing successive layers, apply dry cement to the joint before placing the next layer.

Do not place more than 4 layers until initial set of the 1st layer has occurred.

Cure sacked concrete slope protection under section 90-1.03B(4).

If you replace the upper layers of existing sacked concrete slope protection, clean all dirt and debris from the top of the remaining layer and apply a thin coat of dry cement to the horizontal joint before placing the new layer. If authorized, use epoxy adhesive instead of dry cement to bond existing to new sacked concrete slope protection.

Do not place sacked concrete slope protection if rain is predicted:

1. During the planned construction period
2. Within 24 hours after installation unless the sacked concrete is covered with an approved tarp

72.7.04 PAYMENT

Sacked concrete slope protection is measured and paid for by the cubic yard.